




A. FIELD DRILLING, BORING, AND CUTS OF ANY KIND ON AIR CABINET AND SERVICE CORRIDOR WALLS, FLOORS, AND ROOF ARE PROHIBITED. MECHANICAL CONTRACTOR SHALL COORDINATE ALL TRADES WITH MANUFACTURER AND PROVIDE ALL REQUIRED HOLES IN THE FACTORY. SEE SPECIFICATION SECTION 23 74 13.

- (A) RETURN AIR PLENUM SECTION.
- (B) RETURN FAN SECTION - WITH TWO BACKWARD INCLINE OR AIR FOIL DIRECT DRIVE PLENUM FANS.
- (C) ECONOMIZER MIXING BOX SECTION AND OUTSIDE AIR INTAKE DAMPERS AND LOUVER.
- (D) FILTERS - MERV 8 PRE-FILTERS AND MERV 11 INTERMEDIATE FILTERS.
- (E) HUMIDIFIER SECTION. (SEE HUMIDIFIER SCHEDULE)
- (F) COOLING COIL SECTION.
- (G) ACCESS DOOR SECTION.
- (H) SUPPLY FAN SECTION - WITH FOUR BACKWARD INCLINE OR AIR FOIL DIRECT DRIVE PLENUM FANS.
- (I) FILTERS - MERV 14 FINAL FILTERS.
- (J) SUPPLY/DISCHARGE AIR PLENUM SECTION.
- (K) SERVICE CORRIDOR - FULL HEIGHT OF UNIT WITH FACTORY LIGHTING AND FIELD INSTALLED FAN COIL UNIT.
- (L) LIGHTING AS SPECIFIED.
- (M) VFD FOR RETURN FANS.
- (N) VFD FOR SUPPLY FANS. PROVIDE TWO VFD'S EACH CONTROLLING TWO FANS ALL FANS OPERATE AT THE SAME SPEED.
- (O) AMCA CERTIFIED INTAKE LOUVER COMPATIBLE TO RUSKIN MODEL ELF811D 72" HIGH BY 66" WIDE WITH 19.94 SQUARE FEET TOTAL FREE AREA AND AMCA CERTIFIED 974 F.P.M. BEGINNING POINT OF WATER PENETRATION AT 0.01 OZ/SF.
- (P) MINIMUM AND ECONOMIZER OUTDOOR AIR DAMPER.

		CONSULTANTS:				ARCHITECT/ENGINEERS:		590 Means Street NW, Suite 200 Atlanta, GA 30318 404.214.9774		Drawing Title:  AIR HANDLING UNIT LAYOUT - MECHANICAL		Project Title:  EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC		Project Number:  667-083		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT	
		 APPLIED ENGINEERING SOLUTIONS 440 Martin Luther King, Jr. Blvd., Suite 401 Macon, Georgia 31201 Phone: (478) 314-1270 – Fax: (478) 314-1271 www.aes-pe.com				 TOLAND MIZELL MOLNAR				Approved: Project Director		Location:  SHREVEPORT, LA		Building Number:  1		U.S. Department of Veterans Affairs	
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